

Expedition 313 Site M0028, Table T9. Composition of interstitial water, Hole M0028A. (See table notes.)

Core, section, interval (cm)/Sample*	IW number	Type	Mass (g)	Depth (mbsf)	Analyte:	pH	Alkalinity	Chloride	Br	Br/Cl	Sulfate	NH ₄ ⁺	Li	Na	K	Mg	Ca	Sr	Ba	B	Al	Si	P	Mn	Fe
					Unit: Method:	(25°C) ISE	(meq/L) Titration	(mM) Titration	(µM) IC	(molar) IC	(mM) IC	(µM) Conductivity	(µM) ICP-AES	(mM) CB	(mM) ICP-AES	(mM) ICP-AES	(mM) ICP-AES	(µM) ICP-AES	(µM) ICP-AES	(µM) ICP-AES	(µM) ICP-AES	(µM) ICP-AES	(µM) ICP-AES	(µM) ICP-AES	(µM) ICP-AES
313-M0028A-																									
2R-1, 145-150	1	Sq	11.3	224.81		8.14	10.42	72.3	98	1.478	4.02	179	44.3	77.6	1.06	4.84	1.12	9.8	3.2	365	0.2	411	9.5	0.6	0.1
5R-1, 145-150	2	Sq	7.5	233.96		8.07	11.87	96.4	138	1.515	4.52	278	60.3	99.9	1.79	5.77	1.90	17.2	3.9	388	0.4	562	5.6	0.7	0.4
8R-1, 145-150	3	Sq	26	243.11		8.17	11.11	95.8	144	1.561	2.46	377	77.6	95.6	1.72	4.96	2.08	20.8	2.4	275	0.7	371	2.6	0.4	0.2
11R-1, 145-150	4	Sq	41.9	252.26		7.74	10.35	98.8	160	1.642	0.66	556	92.8	93.0	1.67	4.84	2.79	30.1	4.0	296	-0.0	1095	6.7	0.3	0.2
15R-1, 50, 70, 90	5	Rh	18.3	260.63		8.49	12.22	474.2	712	1.479	24.83	830	75.0	431.1	8.95	40.35	7.51	88.1	3.1	255	7.1	221	21.1	0.4	2.5
15R-1, 30	6	Rh	16.4	260.23		8.16	9.28	398.4	599	1.498	18.15	1152	89.3	355.6	7.46	30.80	9.20	116	3.4	239	3.4	367	10.6	0.2	1.7
18R-1, 20, 50, 80	7	Rh	11.5	266.07		7.82	5.42	453.1	671	1.462	23.20	592	64.9	389.6	8.60	42.33	10.96	102	2.7	307	4.5	363	8.5	1.5	3.0
19R-1, 30-60	8	Rh	19.5	269.27		7.55	10.11	151.7	233	1.574	2.63	1102	119	133.9	2.90	8.89	5.67	66.1	2.0	266	1.3	971	4.1	0.3	6.5
19R-1, 90-120	9	Rh	23.9	269.87		7.55	10.00	133.6	210	1.611	1.21	1102	118	119.1	2.54	6.62	4.97	60.2	1.9	275	3.9	1004	2.1	0.2	0.8
21R-1, 55	10	Rh	10.6	275.07		7.43	7.72	286.2	432	1.509	11.56	1565	127	241.8	4.89	23.17	11.21	133	4.5	332	11.0	883	4.8	0.7	27.6
21R-1, 110	11	Rh	16.7	275.62		7.47	9.28	195.3	297	1.575	3.75	1426	145	166.7	3.64	11.98	8.13	102	3.4	316	1.2	1058	1.6	0.3	5.2
27R1, 145-150	12	Sq	28.3	291.65		7.22	12.25	191.1	302	1.614	0.79	1408	179	168.2	3.43	9.08	6.79	90.8	9.7	428	0.3	1211	3.8	0.5	1.2
31R-1, 145-150	13	Sq	34.4	300.80		7.30	13.55	203.3	328	1.630	0.38	1037	195	179.5	3.34	9.63	7.21	98.0	8.4	429	0.2	1344	4.3	0.5	1.8
34R-1, 145-150	14	Sq	30.2	309.95		7.24	13.65	217.7	357	1.635	0.97	836	210	189.3	3.09	11.86	8.14	108	6.9	431	0.6	1389	4.6	0.6	5.9
37R-1, 154-157	15	Sq	8.6	319.17		7.49	13.77	208.5	332	1.628	0.61	1067	218	184.6	3.56	9.71	7.36	97.7	10.8	397	0.9	1361	2.2	0.4	1.8
45R-1, 145-150	16	Sq	35.4	323.52		7.40	13.58	192.4	309	1.624	0.23	1113	218	173.0	3.37	8.13	6.28	85.2	7.3	413	0.9	1460	3.5	0.3	6.7
49R-1, 145-150	17	Sq	11.9	334.59		7.67	10.00	471.8	703	1.471	24.17	1520	95.9	406.1	8.65	42.71	14.34	162	3.7	347	1.2	588	12.2	1.6	2.9
52R-1, 145-150	18	Sq	17.5	346.79		7.48	4.29	495.8	743	1.486	25.46	1516	92.4	423.9	9.08	43.97	14.48	164	2.2	309	1.0	582	7.8	1.6	8.0
55R-1, 124-129	19	Sq	14.7	355.73		7.79	6.24	336.7	513	1.533	9.68	2066	322	285.8	7.84	22.73	10.53	132	3.6	283	0.9	715	4.2	1.1	0.7
58R-1, 146-151	20	Sq	25.6	365.10		7.48	7.09	420.9	628	1.498	17.52	1764	160	364.6	6.60	32.34	12.76	157	2.7	333	0.3	557	2.9	1.4	3.4
61R-1, 115-120	21	Sq	28.2	373.94		6.94	7.25	416.8	636	1.505	16.90	1848	186	357.1	5.87	31.93	14.55	195	3.0	364	2.7	693	6.1	1.0	41.4
64R-1, 144-149	22	Sq	20.7	383.08		7.22	10.81	351.2	548	1.541	9.48	1680	247	298.0	5.45	24.57	13.30	187	4.6	418	0.2	867	4.1	1.1	17.3
67R-1, 45	23	Rh	16.8	389.73		7.02	13.81	298.8	471	1.614	1.77	1661	297	257.5	4.40	15.94	10.27	152	3.5	455	9.4	811	3.3	0.4	5.9
67R-1, 90	24	Rh	16.4	390.18		7.02	13.27	309.0	477	1.589	2.48	1667	294	265.7	4.57	16.91	10.67	158	3.6	445	5.9	780	4.0	0.4	7.5
70R-1, 16-32	25	Rh	1.5	397.40		7.88	4.04	381.2	558	1.473	19.16	457	42.5	325.8	7.50	36.73	8.38	74.4	2.0	254	2.0	88	1.9	1.4	4.2
78R-1, 49	26	Rh	18.8	406.79		6.56	8.47	607.3	913	1.495	30.91	1256	245	487.5	14.04	34.91	52.20	323	18.1	521	10.1	2635	30.8	35.4	260.2
78R-1, 99	27	Rh	12.6	407.29		6.76	14.40	575.8	844	1.472	28.20	853	287	453.1	10.94	37.04	53.70	345	3.1	654	9.5	2849	46.4	13.8	29.0
80R-2, 151-156	28	Sq	25.9	419.18		7.08	17.06	367.8	591	1.624	0.26	1814	382	313.8	5.16	19.78	12.28	195	18.3	575	1.9	930	0.4	4.6	164.0
82R1-149-154	29	Sq	24.2	424.97		7.02	16.89	372.9	602	1.618	0.51	1927	365	318.0	5.34	19.87	12.82	199	14.5	596	1.1	1138	3.8	1.8	0.8
85R1-149-154	30	Sq	29.6	434.96		6.99	16.08	370.6	602	1.631	0.89	1765	337	317.7	5.49	19.02	12.64	186	12.8	577	1.3	1255	4.4	2.5	1.3
88R-1, 148-153	31	Sq	27.8	444.10		6.94	15.88	361.9	584	1.645	0.64	1734	320	311.0	5.52	17.84	12.49	180	11.2	573	-1.5	1270	4.8	3.0	0.6
91R-2, 31-37	32	Sq	30.6	452.08		6.96	15.69	345.3	553	1.621	0.10	1506	308	297.5	5.07	16.69	11.81	169	11.7	559	0.7	1417	5.3	3.0	1.0
94R-1, 148-153	33	Sq	29.6	462.40		7.17	15.82	333.4	544	1.635	0.18	1762	276	289.3	5.06	15.39	11.29	155	12.1	529	1.7	1310	5.2	3.3	0.8
97R-1, 149-154	34	Sq	33.9	471.56		7.11	15.35	323.1	524	1.628	0.20	1573	267	280.0	5.03	14.85	11.22	149	10.2	517	0.7	1439	5.7	3.3	0.8
100R-1, 130-135	35	Sq	26.5	480.52		7.05	14.53	314.4	506	1.638	0.20	1506	248	273.2	4.85	13.90	10.96	141	11.3	469	0.2	1366	4.1	3.1	0.8
103R-1, 130-135	36	Sq	30.4	489.67		7.07	14.59	298.8	491	1.672	0.12	1390	237	260.6	4.71	12.90	10.55	134	10.8	469	0.8	1452	5.0	2.6	1.3
106R-1, 151-156	37	Sq	25.1	499.08		7.03	12.80	274.1	444	1.648	0.18	1449	221	238.9	4.84	11.39	9.57	121	12.0	466	0.5	1263	3.6	2.4	0.8
109R-1, 150-155	38	Sq	26.7	508.17		7.06	12.95	248.9	402	1.635	0.20	1276	196	219.9	4.32	9.97	8.35	106	17.6	429	-1.0	1215	2.2	2.4	13.1
112R-1, 150-155	39	Sq	20.7	517.32		7.45	12.22	211.7	349	1.665	0.14	1491	166	188.7	4.23	8.10	6.81	86.6	13.6	399	0.6	1107	0.8	0.8	0.9
115R-1, 102-107	40	Sq	15	525.39		7.52	11.26	218.2	340	1.606	1.06	1515	160	193.1	4.46	9.16	7.07	89.6	13.3	299	0.5	1250	1.1	0.5	2.5
118R-1, 145-150	41	Sq	11.4	529.47		7.63	28.72	303.2	446	1.523	3.49	3024	275	270.2	11.46	15.39	11.63	149	8.7	1085	0.3	1706	2.6	0.7	4.0
121R-1, 145-150	42	Sq	29.1	535.57		7.66	11.76	214.3	350	1.650	0.41	1474	170	187.8	4.35	9.37	7.23	97.0	9.5	312	-0.0	1282	0.5	0.1	1.7
125R-1, 66-71	43	Sq	10.5	543.29		7.84	3.48	392.5	589	1.489	12.51	2755	197	326.3	8.56	24.92	16.69	239	5.3	143	1.6	374	2.2	0.1	0.9
128R-1, 144-149	44	Sq	7.6	550.81		7.76	4.67	513.2	767	1.															